

**Seattle Tunnel Partners monthly schedule – January 2018**

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The Washington State Department of Transportation’s contractor, Seattle Tunnel Partners, is responsible for designing and building the SR 99 tunnel. WSDOT’s contract with STP includes a number of elements. In addition to boring the tunnel and building the highway within it, STP is responsible for building highway ramps and other connections at the north and south ends of the tunnel. They are also constructing buildings at each tunnel portal to house controls for lighting, ventilation and other systems needed to operate the tunnel.

STP submits an updated schedule to WSDOT each month. These monthly schedules show projected durations for “critical-path” activities, which are activities that must be completed on time for the project to be finished on the projected completion date. An activity on the critical path cannot be started until certain prior activities are complete.

The detailed critical-path schedule can be found on the following pages. Like all large construction projects, the schedule for this project changes frequently. Because STP is responsible for the schedule under the terms of the project’s design-build contract, WSDOT cannot verify any of the dates shown in this schedule.

As a reminder, after STP hands over the tunnel to the state, work must be done to connect the new tunnel to SR 99 in the south and Aurora Avenue North in the north. Based on STP’s schedule, WSDOT estimates the tunnel would open to traffic as early as fall 2018.

January Update (Data Date February 1, 2018)			Appendix B2.1 - Longest Path								12-Feb-18 14:43															
Activity ID	Activity Name		OD	Start	Finish	Last Month Start	Last Month Finish	Start Variance	Finish Variance	Total Float	2018												2019			
				Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr								
Mechanical - Electrical - Plumbing			56	02-Jan-18 A	19-Apr-18	08-Jan-18	19-Apr-18	4	0	0																
Southbound Roadway			55	02-Jan-18 A	19-Apr-18	08-Jan-18	19-Apr-18	4	0	0																
MEP Reach 13 - 940	SOUTH BOUND - Install MEP Anchors - Reach 13	8	02-Jan-18 A	01-Feb-18	08-Jan-18	16-Jan-18	5	-14	0																	
MEP Reach 14 - 940	SOUTH BOUND - Install MEP Anchors - Reach 14	3	02-Feb-18	05-Feb-18	17-Jan-18	23-Jan-18	-14	-11	0																	
MEP Reach 14 - 200	SOUTH BOUND - Install Mesh - Reach 14	6	06-Feb-18	13-Feb-18	29-Jan-18	06-Feb-18	-7	-5	0																	
MEP Reach 14 - 210	SOUTH BOUND - Install Struts, Rods, Eye bolts, Sign & Camera Structures - Reach 14	6	14-Feb-18	20-Feb-18	08-Feb-18	17-Feb-18	-4	-2	0																	
MEP Reach 14 - 220	SOUTH BOUND - Install Fireproofing (1st & 2nd Coat) - Reach 14	6	21-Feb-18	28-Feb-18	19-Feb-18	28-Feb-18	-2	0	0																	
MEP Reach 14 - 230	SOUTH BOUND - Install Fire Supr, Swivel Mounts, Cable (LHD), Struts, Lights, Conduit / Pull Wire , Bump Test F1s - R14	7	01-Mar-18	08-Mar-18	01-Mar-18	08-Mar-18	0	0	0																	
MEP Tun Wide - 140	Install South Bound AM Radio Counterpoise	10	09-Mar-18	22-Mar-18	09-Mar-18	22-Mar-18	0	0	0																	
MEP Tun Wide - 160	Install South Bound Tunnel Radio Antenna	20	23-Mar-18	19-Apr-18	23-Mar-18	19-Apr-18	0	0	0																	
Electrical Room 15			32	01-Feb-18	16-Mar-18	18-Jan-18	08-Mar-18	-10	-6	0																
ER 15 - 110	Electrical System: Handle & Set Equipment (XFMRs, PNLS, UPS, LTG CNTRL) - Electrical Room #15	7	01-Feb-18	09-Feb-18	18-Jan-18	14-Feb-18	-10	3	0																	
ER 15 - 120	Electrical System: Install Raceways - Electrical Room #15	17	01-Feb-18	23-Feb-18	18-Jan-18	14-Feb-18	-10	-7	0																	
ER 15 - 170	Lighting System: Install Wire, Fixtures & Protection - Electrical Room #15	10	26-Feb-18	09-Mar-18	15-Feb-18	28-Feb-18	-7	-7	0																	
ER 15 - 510	Final Wire Pull / Termination from South Bound Roadway - Electrical Room #15	5	12-Mar-18	16-Mar-18	02-Mar-18	08-Mar-18	-6	-6	0																	
Testing and Commissioning			107	19-Mar-18	14-Aug-18	09-Mar-18	14-Aug-18	-6	0	0																
Tun Wide Prefunc 20	Prefunctional Check List for Radio System (TR 2.41)	15	20-Apr-18	10-May-18	20-Apr-18	10-May-18	0	0	0																	
Tun Wide Prefunc 160	South Bound Pre-Commissioning Internal Testing - 2 Way Radio System	15	11-May-18	31-May-18	11-May-18	31-May-18	0	0	0																	
Prefunctional Check List			44	19-Mar-18	17-May-18	09-Mar-18	11-May-18	-6	-4	0																
Electrical Room 15 PFCs			27	19-Mar-18	24-Apr-18	09-Mar-18	16-Apr-18	-6	-6	0																
ER 15 Prefunc - 1	South Bound Roadway Prefunctional Check List for Electrical - ER 15	10	19-Mar-18	30-Mar-18	09-Mar-18	22-Mar-18	-6	-6	0																	
ER 15 Prefunc - 1	South Bound Roadway Prefunctional Check List for Fire Alarm System - ER 15	5	02-Apr-18	06-Apr-18	23-Mar-18	29-Mar-18	-6	-6	0																	
ER 15 Prefunc - 1	South Bound Roadway Prefunctional Check List for Controls - ER 15	5	02-Apr-18	06-Apr-18	23-Mar-18	29-Mar-18	-6	-6	0																	
ER 15 Prefunc - 1	South Bound Roadway Prefunctional Check List for Mechanical - ER 15	12	09-Apr-18	24-Apr-18	30-Mar-18	16-Apr-18	-6	-6	0																	
Tunnel Wide			17	25-Apr-18	17-May-18	19-Apr-18	11-May-18	-4	-4	0																
Tun Wide Prefunc	Maintenance Air Test and Balance (TR2.34)	12	25-Apr-18	10-May-18	19-Apr-18	04-May-18	-4	-4	0																	
Tun Wide Prefunc	Pre- Commissioning Internal Testing - Maintenance Ventilation Algorithm	5	11-May-18	17-May-18	07-May-18	11-May-18	-4	-4	0																	
Integrated Functional Testing			63	18-May-18	14-Aug-18	16-May-18	14-Aug-18	-2	0	0																
MEP - FPT - 120	Maintenance Ventilation (TR 2.34) - Functional Performance Testing	10	18-May-18	31-May-18	16-May-18	29-May-18	-2	-2	0																	
MEP - FPT - 144	South Bound Tunnel Airflow Verification (TR 2.35.5.2.1.1 & TR 2.35.5.2.1.1)- Functional Performance Testing	18	01-Jun-18	26-Jun-18	01-Jun-18	26-Jun-18	0	0	0																	
MEP - FPT - 300	North Bound Tunnel Airflow Verification (TR 2.35.5.2.1.1 & TR 2.35.5.2.1.1)- Functional Performance Testing	18	01-Jun-18	26-Jun-18	30-May-18	22-Jun-18	-2	-2	0																	
MEP - FPT - 140	Tunnel Ventilation (TR 2.35) - Functional Performance Testing	15	27-Jun-18	17-Jul-18	27-Jun-18	17-Jul-18	0	0	0																	
MEP - FPT - 230	Functional Tests - COMPLETE	0		17-Jul-18		17-Jul-18	0	0	0																	
MEP - IFPT - 000	Pre - Test Integrated Functional Performance Testing	7	18-Jul-18	26-Jul-18	18-Jul-18	26-Jul-18	0	0	0																	
MEP - IFPT - 100	Default - Integrated Functional Performance Testing - 0	1	27-Jul-18	27-Jul-18	27-Jul-18	27-Jul-18	0	0	0																	
MEP - IFPT - 110	Minor Fire One Direction - Integrated Functional Performance Testing - 1	1	30-Jul-18	30-Jul-18	30-Jul-18	30-Jul-18	0	0	0																	
MEP - IFPT - 120	Major Fire One Direction - Integrated Functional Performance Testing - 2	1	31-Jul-18	31-Jul-18	31-Jul-18	31-Jul-18	0	0	0																	
MEP - IFPT - 130	Two Fires Same Direction - Integrated Functional Performance Testing - 3	2	01-Aug-18	02-Aug-18	01-Aug-18	02-Aug-18	0	0	0																	
MEP - IFPT - 140	Fire Outside Portal Entrance - Integrated Functional Performance Testing - 4	1	03-Aug-18	03-Aug-18	03-Aug-18	03-Aug-18	0	0	0																	
MEP - IFPT - 150	Maintenance Closure/Special Events - Integrated Functional Performance Testing - 5	1	03-Aug-18	03-Aug-18	03-Aug-18	03-Aug-18	0	0	0																	
MEP - IFPT - 160	Second Incident - Different Locations - Integrated Functional Performance Testing - 6	1	06-Aug-18	06-Aug-18	06-Aug-18	06-Aug-18	0	0	0																	
MEP - IFPT - 170	Major/Blocking Debris - Integrated Functional Performance Testing - 7	1	06-Aug-18	06-Aug-18	06-Aug-18	06-Aug-18	0	0	0																	
MEP - IFPT - 180	Wrong Way Vehicle - Integrated Functional Performance Testing - 8	1	07-Aug-18	07-Aug-18	07-Aug-18	07-Aug-18	0	0	0																	
MEP - IFPT - 190	SB Off-ramp Congestion - Integrated Functional Performance Testing - 9	1	08-Aug-18	08-Aug-18	08-Aug-18	08-Aug-18	0	0	0																	
MEP - IFPT - 200	NB Off-ramp Congestion - Integrated Functional Performance Testing - 10	1	08-Aug-18	08-Aug-18	08-Aug-18	08-Aug-18	0	0	0																	
MEP - IFPT - 220	Loss of Utility Power - Integrated Functional Performance Testing - 12	1	09-Aug-18	09-Aug-18	09-Aug-18	09-Aug-18	0	0	0																	
MEP - IFPT - 230	Medical Incident/Stalled Vehicle/Debris/Dead Animal/Pedestrian - Integrated Functional Performance Testing - 13	1	10-Aug-18	10-Aug-18	10-Aug-18	10-Aug-18	0	0	0																	
MEP - IFPT - 240	Maintenance/Moving Operation - Integrated Functional Performance Testing - 14	1	13-Aug-18	13-Aug-18	13-Aug-18	13-Aug-18	0	0	0																	
MEP - IFPT - 250	Earthquake/Flooding/Tsunami/Explosion/Terrorism - Integrated Functional Performance Testing - 15	1	13-Aug-18	13-Aug-18	13-Aug-18	13-Aug-18	0	0	0																	
MEP - IFPT - 260	HAZMAT: Spill Response (Non-Hazardous and Fuel) - Integrated Functional Performance Testing - 16	1	14-Aug-18	14-Aug-18	14-Aug-18	14-Aug-18	0	0	0																	
MEP - IFPT - 270	HAMAT: Hazardous Materials (chemicals, toxic gas, radioactive) - Integrated Functional Performance Testing - 17	1	14-Aug-18	14-Aug-18	14-Aug-18	14-Aug-18	0	0	0																	
MEP - IFPT - 280	Common Response Plan - Integrated Functional Performance Testing - 18	1	14-Aug-18	14-Aug-18	14-Aug-18	14-Aug-18	0	0	0																	
MEP - IFPT - 300	Integrated Functional Performance Tests - COMPLETE	0		14-Aug-18		14-Aug-18	0	0	0																	
Completion Milestones			240	14-Aug-18	11-Apr-19	14-Aug-18	11-Apr-19	0	0	0																
Mile-Forecast SC	Substantial Completion (Forecast)	0		14-Aug-18		14-Aug-18	0	0	0																	
Mile-Forecast PW 85	Project Wide - Physical Completion (Forecast)	0		12-Dec-18		12-Dec-18	0	0	0																	
Mile-Forecast PW 90	Project Wide - Milestone - Final Completion (Forecast)	0		11-Apr-19		11-Apr-19	0	0	0																	